

Figure 1

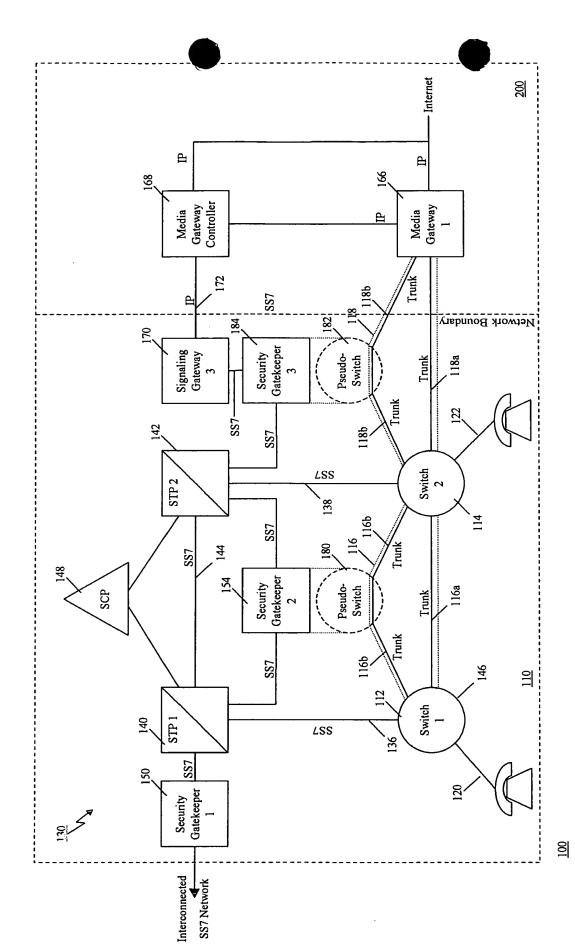


Figure 2

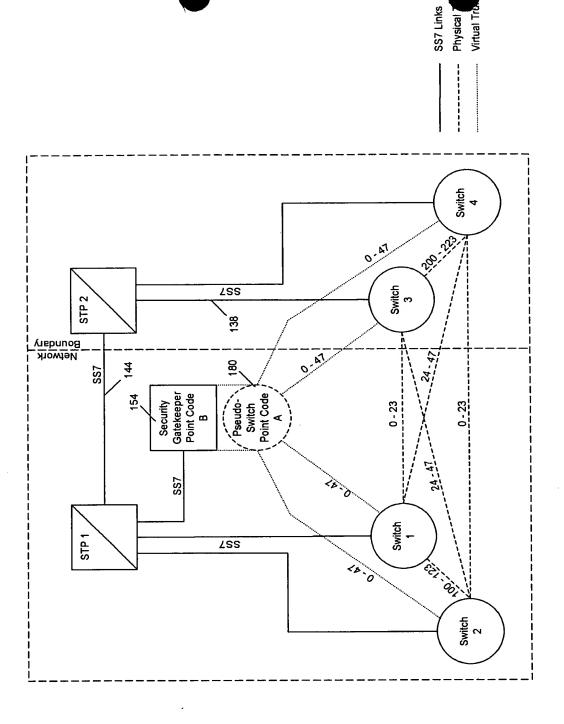


Figure 3

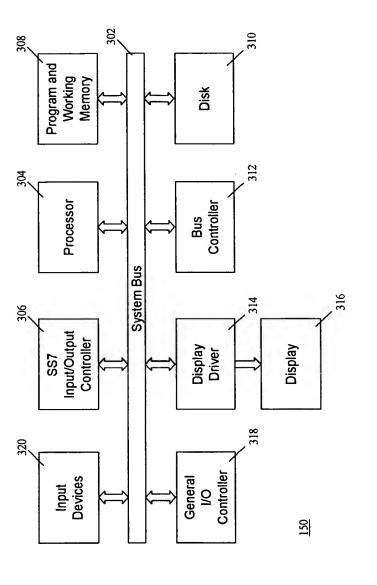


Figure 4

os I

SS7 Protocol

						•
Application	Presentation	Session	Transport	Network	Data Link	Physical

	ISUP				
OMAP	TCAP/ASP	sccP	MTP - L3	MTP - L2	MTP - L1
TCAP	TCAP/ASP				

ASP - Application Service Part (Connection Oriented Protocols MTP - Message Transfer Part (L1, L2 & L3)
OMAP - Operations, Maintenance, Application Part SCCP - Signaling Connection Control Part TCAP - Transaction Capability Application Part

Figure 5

AGYNYMUN TOTING

Figure 6

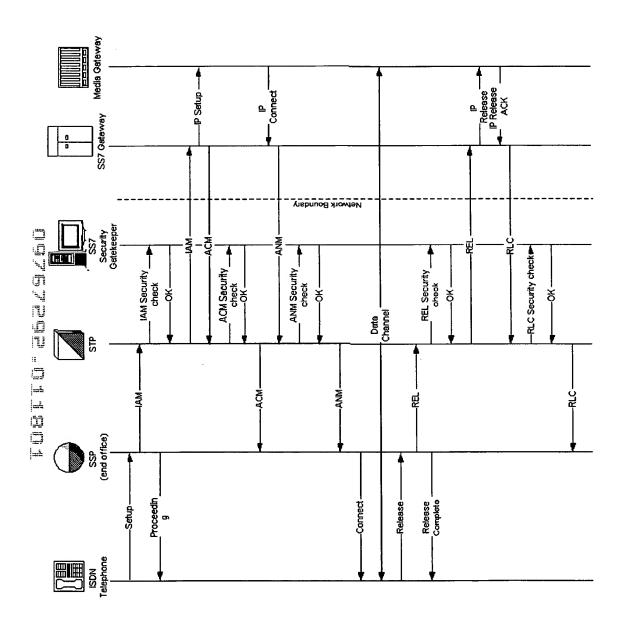


Figure 7

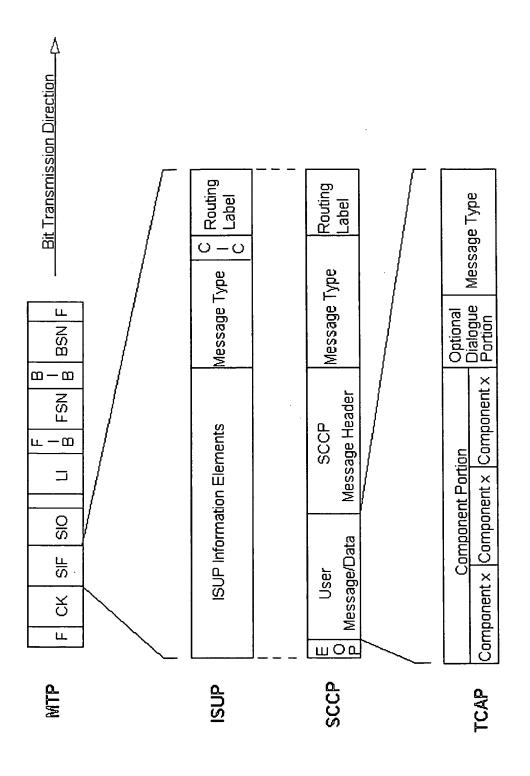


Figure 8

			•	•	•	•	•	•	
		∞	7	9	2	4	က	2	-
Flag	∢	0	-	_	-	-	-	-	0
Forward sequence Information	ω	BSN/ BIB		Back	Backward Sequence Number	odneuc	Pin Ne	per	
Backward Sequence Information	ပ	FSN/		For	Forward Sequence Number	quence	Nump	ıer	
Aessage length Indicator	۵	ďS	Spare		Leng	Length Indicator	ator		
Service Information	Ш	National Network Opt.	onal k Opt.	ΣΈ	Mess Priority		MTP U.	MTP User Part (ISUP)	
	-							•	
					Des	Destination Point Code		•	
	ι				5 -		_	•	
Kouting Label	ı —							'	
					Q Q	Origination Point Code	c 0	•	
								•	
	-			Signa	Signaling Link Selection	ık Sele	ction		
כוכ	9		J	Circuit	Circuit Identification Code	cation (opoc	·	
Message Type	I				Message Type	ge Type			
ISUP Information Element	_			<u> </u>	SUP Parameters	ameter	и		
Check Bits	ے ا				Check Bits			'	
]		1			

Figure 9

Name of ISUP Parameter Length Indicator Parameter	Parameter Content	•	•	•	•	Name of ISUP Parameter	Length Indicator Parameter	Parameter Content
---	-------------------	---	---	---	---	------------------------	----------------------------	-------------------

Figure 10

Security Context
Security Context Length Indicator Parameter
Security Context Parameter Value

Figure 11

Security Context Values

Value	Meaning
0	Not used.
 1	Data Encryption Algorithm
 2	Integrity Check
 3	Message Code Authentication
4	Sequence, Timestamp and Identification

Figure 12

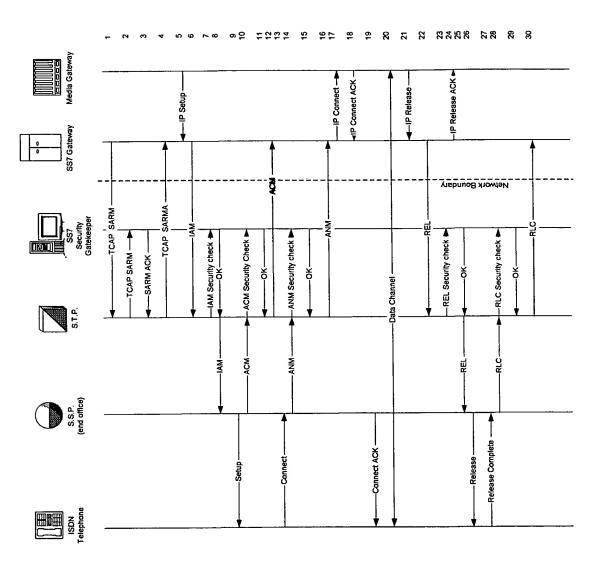


Figure 13

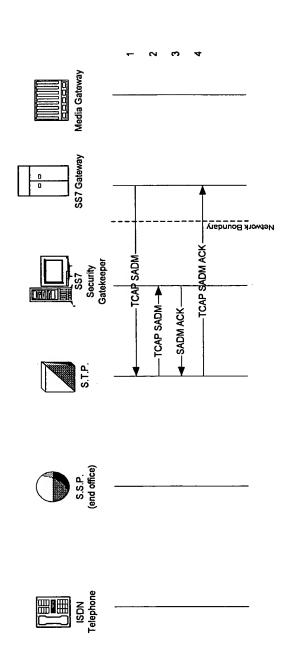


Figure 14

DG757595 O11801

Initial Address Message

High-Order 6-bits
of Connection Indicators
H.A
Forward Call Indicator Bits PI
Offset of 1st Mandatory Var. Parameter
Offset of 2nd Mandatory Var. Parameter
Part
Service Info
User Service Information Octets = Length Indicator Value
No.
Party Number Length Indicator Value
Optional Parameter Length Indicator
nal Parameter Length Indicator Value

Address Complete Message

Spare Message Type = 6 Backward Call Indicator Bits H. A Backward Call Indicator Bits P! Offset to Start of Optional Part Optional Parameter Code Optional Parameter Length Indicator No. of Octets = Length Indicator End of Optional Parameters Indicator
--

Fig. 16

End of Optional Parameters Indicator

Answer Message

SIO and Routing Label	CIC Low-Order Octet	2-bits CIC High-Order 6-bits	Message Type = 9	Offset to Start of Optional Part	Optional Parameter Code	Optional Parameter Length Indicator	Optional Parameter No. of Octets = Length Indicator Value	End of Optional Parameters Indicator

Fig. 17

Release Complete Message

Message Type = 16	
CIC High-Order 6-bits	2-bits spare
CIC Low-Order Octet	
SIO and Routing Label	

Fig. 19

Release Message

Fig 18

